



2014

States and Markets

5.12 World Development Indicators: The information society

	Households with television	Households with a computer	Internet use	Internet quality		Internet affordability	Internet application	Information and communications technology trade		
	%	%	Individuals using the Internet	Fixed (wired) broadband Internet subscriptions	International Internet bandwidth	Fixed broadband Internet sub-basket	Secure Internet servers	Goods, Exports	Goods, Imports	Services, Exports
	2012	2012	% of population	per 100 people	bits per second per Internet user	\$ per month	per million people	% of total goods exports	% total goods imports	% of total services exports
Afghanistan	..	2.3	5.5	0.01	1,229	53	1	..	0.2	51.6
Albania	..	20.0	54.7	5.06	17,358	12	16	0.4	3.0	10.9
Algeria	..	24.2	15.2	2.89	7,679	14	2	0.0	4.0	59.4
American Samoa	..	..	..	..	..	..	36	..	..	..
Andorra	..	..	86.4	34.34	38,388	..	646	..	..	..
Angola	..	8.5	16.9	0.15	567	53	4	..	..	4.5
Antigua and Barbuda	..	56.1	59.0	4.64	97,620	55	689	11.6	5.5	6.5
Argentina	..	56.0	55.8	10.89	21,983	24	43	0.1	8.3	46.0
Armenia	99	34.0	39.2	6.75	40,373	12	40	1.3	3.7	13.5
Aruba	82	73.1	74.0	18.91	67,578	..	282	0.7	4.4	13.9
Australia	..	85.2	82.3	24.34	69,066	62	1,265	0.9	8.9	18.6
Austria	..	81.0	81.0	25.02	108,084	42	1,079	3.9	5.1	30.7
Azerbaijan	100	45.0	54.2	14.14	40,591	13	9	0.0	3.3	15.0
Bahamas, The	..	..	71.7	4.23	3,747	30	268	0.2	3.9	..
Bahrain	99	92.7	88.0	13.20	18,108	27	142	0.6	3.3	22.8
Bangladesh	32	4.8	6.3	0.39	3,032	5	1	..	..	26.7
Barbados	..	69.2	73.3	23.09	67,410	45	340	0.8	4.4	25.9
Belarus	99	51.7	46.9	26.91	79,337	12	26	0.6	2.4	18.0
Belgium	..	80.0	82.0	33.27	180,389	35	749	2.1	3.1	43.1
Belize	..	..	25.0	3.08	34,562	50	178	0.5	3.6	11.0
Benin	..	4.2	3.8	0.05	3,249	53	1	0.0	1.3	21.1
Bermuda	..	97.2	91.3	61.74	..	..	5,015	6.6	3.6	40.4
Bhutan	..	16.4	25.4	2.26	3,286	11	9	15.9	2.4	..
Bolivia	67	25.9	34.2	1.05	5,176	25	9	0.0	3.2	11.8
Bosnia and Herzegovina	..	39.8	65.4	10.61	23,945	8	24	0.2	2.7	5.5
Botswana	..	12.3	11.5	0.94	6,509	57	10	0.2	2.4	40.9
Brazil	98	49.9	49.8	9.15	44,837	18	57	0.5	8.8	55.7
Brunei Darussalam	..	86.9	60.3	4.81	39,925	52	117	0.3	4.1	..
Bulgaria	..	52.0	55.1	17.95	85,424	11	147	2.0	6.2	22.8
Burkina Faso	..	3.4	3.7	0.09	1,812	47	1	0.0	3.2	21.1
Burundi	..	..	1.2	0.00	3,462	..	0	0.2	1.9	6.6
Cambodia	62	5.4	4.9	0.20	13,619	24	2	0.2	1.7	8.4
Cameroon	..	8.3	5.7	0.63	260	58	1	0.0	2.7	29.7
Canada	99	86.6	86.8	32.48	100,505	40	1,041	2.3	7.3	41.2
Cabo Verde	74	26.5	34.7	4.02	6,317	33	26	..	3.7	4.6
Cayman Islands	73	74.5	74.1	33.57	..	..	2,103	..	..	..
Central African Republic	..	2.9	3.0	0.00	162	..	0	0.2	5.9	..
Chad	..	2.5	2.1	0.16	490	12	..	..	..	..
Channel Islands	..	..	..	..	..	..	..	..	..	..
Chile	..	53.7	61.4	12.41	40,460	26	94	0.3	7.3	21.1
China	..	40.9	42.3	12.72	3,261	23	4	27.1	19.6	34.9
Hong Kong SAR, China	..	80.3	72.8	31.17	1,426,554	22	627	42.2	40.8	15.3
Macao SAR, China	..	85.8	64.3	25.97	59,233	8	311	14.9	14.5	1.3
Colombia	91	38.4	49.0	8.16	20,370	19	33	0.1	9.0	18.6
Comoros	..	6.4	6.0	0.17	7,231	80	1	..	..	..
Congo, Dem. Rep.	..	1.3	1.7	..	725	400	0	..	..	..
Congo, Rep.	47	4.3	6.1	0.01	204	..	1	0.0	0.9	..
Costa Rica	97	49.0	47.5	9.32	29,890	16	79	19.4	18.3	32.2
Cote d'Ivoire	..	2.3	2.4	..	16,950	42	2	0.1	3.1	28.5
Croatia	..	68.0	63.0	20.67	28,743	19	188	1.9	4.4	14.5
Cuba	..	4.6	25.6	0.04	158	1,760	0	..	..	..
Curacao	..	..	..	..	..	..	188	..	..	..
Cyprus	..	70.0	61.0	19.23	69,698	22	621	3.5	4.1	25.1
Czech Republic	..	75.0	75.0	16.40	100,062	23	559	14.5	14.7	36.1
Denmark	..	92.2	93.0	38.78	174,801	46	2,104	3.5	8.2	..
Djibouti	..	15.5	8.3	1.73	11,960	32	5	..	..	..
Dominica	..	..	55.2	11.86	65,734	33	431	7.8	4.3	14.5
Dominican Republic	..	19.8	45.0	4.34	14,874	23	20	0.9	3.2	4.3
Ecuador	87	32.2	35.1	5.28	31,804	20	24	0.1	6.4	..



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	%	%	Individuals using the Internet	Fixed (wired) broadband Internet subscriptions	International Internet bandwidth	Fixed broadband Internet sub-basket	Secure Internet servers	Goods, Exports	Goods, Imports	Services, Exports
	2012	2012	% of population	per 100 people	bits per second per Internet user	\$ per month	per million people	% of total goods exports	% total goods imports	% of total services exports
Egypt, Arab Rep.	97	37.9	44.1	2.83	4,242	8	3	0.2	3.4	7.3
El Salvador	85	15.3	25.5	3.84	6,850	20	19	0.4	5.0	11.5
Equatorial Guinea	13.9	0.20	2,123	..	1	..	..	..
Eritrea	..	1.5	0.8	0.00	1,284	1,597	..	..	..	..
Estonia	..	76.0	79.0	25.47	26,478	22	749	10.9	10.7	26.2
Ethiopia	..	2.1	1.5	0.01	4,779	24	0	0.2	3.5	6.5
Faeroe Islands	85.3	32.97	..	..	1,633	..	..	25.8
Fiji	..	31.7	33.7	1.55	9,232	20	31	0.8	4.2	4.3
Finland	..	88.0	91.0	30.26	159,294	37	1,555	4.0	6.9	45.7
France	..	81.0	83.0	37.47	83,918	29	487	4.1	6.2	32.6
French Polynesia	52.9	14.68	13,814	..	134	0.4	5.2	9.7
Gabon	..	10.1	8.6	0.31	5,509	32	10	..	..	..
Gambia, The	..	7.4	12.4	0.03	2,117	280	4	0.1	1.9	..
Georgia	96	32.7	45.5	8.67	52,946	12	29	0.5	4.9	4.6
Germany	..	87.0	84.0	33.70	74,793	42	1,061	4.4	7.6	33.7
Ghana	51	13.8	17.1	0.26	230	43	3	0.1	4.4	..
Greece	..	57.4	56.0	24.14	64,208	24	133	1.7	5.1	7.9
Greenland	64.9	19.91	18,995	..	1,479	0.0	3.9	..
Grenada	42.1	13.69	90,094	29	28	..	..	15.9
Guam	61.5	1.88	..	..	242	..	..	..
Guatemala	..	19.2	16.0	1.81	6,630	21	13	0.3	5.7	21.9
Guinea	..	2.1	1.5	0.01	2,051	800	0	..	..	64.9
Guinea-Bissau	..	2.3	2.9	0.00	3,220	..	1	..	..	55.4
Guyana	..	22.9	33.0	3.67	8,382	25	13	0.1	5.8	41.4
Haiti	..	7.3	9.8	..	..	48	1	..	..	..
Honduras	..	15.1	18.1	0.77	4,173	19	9	0.3	5.0	11.2
Hungary	..	71.0	72.0	22.87	15,314	31	249	17.4	16.2	27.7
Iceland	..	96.0	96.2	34.26	318,962	32	2,869	0.2	4.1	..
India	47	10.9	12.6	1.21	5,277	6	4	2.0	5.3	65.9
Indonesia	..	15.1	15.4	1.21	17,063	22	4	4.1	7.1	38.2
Iran, Islamic Rep.	99	37.0	26.0	4.03	3,731	18	1	0.0	4.6	..
Iraq	..	23.3	7.1	0.00	43	211	0	..	..	12.0
Ireland	..	83.0	79.0	22.72	97,097	35	700	5.8	9.0	66.3
Isle of Man	2,221	..	..	..
Israel	89	82.1	73.4	25.34	56,170	38	275	11.7	8.9	59.3
Italy	..	67.0	58.0	22.14	76,346	28	200	2.1	6.2	34.9
Jamaica	88	32.6	46.5	4.32	20,193	29	44	0.4	2.5	9.4
Japan	..	80.0	79.1	27.73	32,827	27	742	9.1	10.2	20.7
Jordan	..	54.6	41.0	2.81	5,219	19	26	1.5	4.1	..
Kazakhstan	..	63.0	53.3	9.78	32,028	13	10	0.4	5.8	10.6
Kenya	..	10.8	32.1	0.10	23,715	34	5	1.4	7.2	..
Kiribati	10.7	0.99	4,155	428	10	1.9	1.5	..
Korea, Dem. Rep.	0.0	..	..	..	0	..	..	..
Korea, Rep.	99	82.3	84.1	37.25	25,815	27	1,999	17.2	9.8	21.6
Kosovo	20.7
Kuwait	..	75.0	79.2	1.45	5,444	..	185	..	..	34.5
Kyrgyz Republic	..	6.9	21.7	0.88	3,875	12	5	0.1	2.3	15.9
Lao PDR	..	8.7	10.7	0.11	9,397	97	1	..	..	..
Latvia	..	70.0	74.0	23.35	59,027	14	266	6.1	6.0	20.5
Lebanon	..	79.7	61.2	9.71	18,445	18	40	0.6	2.2	56.8
Lesotho	..	5.9	4.6	0.07	6,330	85	0	..	..	18.0
Liberia	..	2.0	3.8	0.00	2,006	..	1	..	..	..
Libya	..	17.6	14.0	1.09	14,044	..	3	..	3.6	..
Liechtenstein	89.4	30.52	..	47	8,216	..	..	..
Lithuania	99	64.0	68.0	21.15	76,193	12	249	2.3	3.6	9.0
Luxembourg	..	92.0	92.0	32.40	4,088,456	40	2,258	2.7	4.1	21.7
Macedonia, FYR	..	58.4	63.1	13.70	30,836	14	52	0.3	4.0	24.0
Madagascar	39	2.9	2.1	0.04	493	64	1	0.1	2.4	..
Malawi	9	4.0	4.4	0.01	2,803	48	1	0.2	3.5	27.1
Malaysia	..	66.9	65.8	8.41	16,424	22	67	27.9	23.1	27.9
Maldives	95	67.2	38.9	5.28	25,479	8	87	..	4.3	..
Mali	..	7.7	2.2	0.02	5,292	50	1	0.0	3.6	33.9
Malta	..	78.0	70.0	32.03	625,752	19	1,488	20.2	10.9	12.3
Marshall Islands	10.0	..	8,562	50	113
Mauritania	..	3.7	5.4	0.18	3,042	22	2	..	1.2	..



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	2012	2012	% of population	per 100 people	bits per second per Internet user	\$ per month	per million people	% of total goods exports	% total goods imports	% of total services exports
Mauritius	97	40.6	41.4	11.21	16,125	12	127	0.8	5.1	35.4
Mexico	95	32.2	38.4	10.52	15,670	18	26	16.9	16.5	..
Micronesia, Fed. Sts.	..	..	26.0	0.96	1,930	33	19	..	..	..
Moldova	..	44.5	43.4	11.87	94,175	13	25	0.3	3.3	25.3
Monaco	..	73.5	87.0	43.26	244,695	46	2,737	..	..	..
Mongolia	89	30.3	16.4	3.75	94,295	10	22	..	..	20.7
Montenegro	99	51.3	56.8	8.44	60,621	19	37	0.4	3.0	7.9
Morocco	100	43.1	55.0	2.10	14,871	12	4	3.1	3.5	21.8
Mozambique	..	5.9	4.8	0.08	1,636	58	2	0.0	2.3	31.1
Myanmar	..	2.3	1.1	0.01	9,425	..	0	0.0	1.7	..
Namibia	..	14.3	12.9	1.18	3,564	69	18	0.6	3.1	27.0
Nepal	39	7.8	11.1	0.48	1,632	8	2	0.2	5.3	41.5
Netherlands	..	97.2	93.0	39.81	172,864	35	2,391	10.2	12.1	45.2
New Caledonia	..	28.2	58.0	18.92	20,432	..	242	0.2	3.3	12.7
New Zealand	..	91.2	89.5	27.80	31,062	59	1,094	1.1	7.7	18.6
Nicaragua	..	9.9	13.5	1.65	24,725	22	8	0.2	4.1	18.7
Niger	..	1.8	1.4	0.02	3,499	60	0	0.2	1.9	5.4
Nigeria	40	11.4	32.9	0.01	306	39	2	0.0	5.5	4.4
Northern Mariana Islands	..	..	..	..	..	..	37	..	..	..
Norway	..	92.0	95.0	36.33	187,809	53	1,742	0.8	7.1	29.1
Oman	94	62.7	60.0	2.15	8,948	26	63	0.1	3.0	24.1
Pakistan	..	12.5	10.0	0.52	7,283	14	1	0.2	4.4	20.1
Palau	..	..	..	4.41	..	..	95	1.0	2.5	..
Panama	86	38.3	45.2	7.83	30,838	14	90	7.9	8.1	8.1
Papua New Guinea	..	3.2	2.3	0.13	4,849	186	8	0.0	2.2	49.3
Paraguay	89	24.3	27.1	1.19	11,585	22	15	0.1	19.1	1.9
Peru	77	29.9	38.2	4.74	13,094	18	21	0.1	7.8	15.1
Philippines	..	16.9	36.2	2.22	14,269	23	8	29.5	24.8	67.3
Poland	..	73.0	65.0	15.54	70,620	20	312	7.0	8.2	33.7
Portugal	..	66.0	64.0	22.55	195,537	29	216	3.4	5.1	17.8
Puerto Rico	..	60.0	51.4	15.51	136,866	..	107	..	..	..
Qatar	95	91.5	88.1	10.50	33,212	55	162	0.0	4.3	..
Romania	..	57.0	50.0	16.17	114,917	10	69	5.0	6.8	37.3
Russian Federation	87	60.6	53.3	14.46	32,838	10	52	0.3	7.5	31.9
Rwanda	5	2.4	8.0	0.02	6,585	112	3	0.2	7.8	3.8
Samoa	..	..	12.9	0.11	5,531	43	26	0.1	2.7	7.8
San Marino	..	..	50.9	31.69	628,959	22	1,452	..	..	..
Sao Tome and Principe	..	..	21.6	0.41	7,689	117	47	0.2	3.2	8.3
Saudi Arabia	..	67.7	54.0	6.95	36,396	40	34	0.1	8.0	3.6
Senegal	62	9.0	19.2	0.70	5,122	38	2	0.3	2.2	32.3
Serbia	..	60.3	48.1	12.92	89,563	21	35	2.1	3.8	42.0
Seychelles	95	51.9	47.1	11.03	15,606	16	604	..	..	6.4
Sierra Leone	..	..	1.3	..	1,994	..	1	..	..	57.2
Singapore	..	87.7	74.2	25.44	387,641	30	610	28.4	23.4	24.0
Sint Maarten (Dutch part)	..	..	..	..	..	..	..	..	..	..
Slovak Republic	..	79.0	80.0	14.66	11,477	28	263	16.6	12.8	31.7
Slovenia	..	76.0	70.0	24.28	94,652	36	548	1.8	3.6	22.2
Solomon Islands	..	5.1	7.0	0.39	3,614	259	5	0.0	2.7	2.4
Somalia	..	..	1.4	..	..	..	0	..	..	..
South Africa	75	23.6	41.0	2.11	18,111	28	88	1.0	7.6	10.6
South Sudan	..	..	..	0.00	..	..	..	..	..	..
Spain	..	74.0	72.0	24.37	81,365	33	267	1.3	4.6	30.0
Sri Lanka	..	15.0	18.3	1.68	5,995	5	9	0.5	3.7	24.6
St. Kitts and Nevis	..	54.7	79.3	27.25	67,860	37	1,389	22.5	5.9	16.7
St. Lucia	86	42.5	48.6	13.59	68,218	36	71	..	..	9.1
St. Martin (French part)	..	..	..	..	..	..	32	..	..	..
St. Vincent and the Grenadines	..	62.3	47.5	12.45	577,211	34	239	2.5	3.3	23.8
Sudan	..	14.0	21.0	0.07	1,703	10	0	0.0	3.8	3.8
Suriname	..	34.3	34.7	5.48	..	42	33	0.1	2.8	26.7



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	2012	2012	% of population	per 100 people	bits per second per Internet user	\$ per month	per million people	% of total goods exports	% total goods imports	% of total services exports
Swaziland	..	11.9	20.8	0.28	1,818	76	9	..	..	42.7
Sweden	..	92.0	94.0	32.28	279,287	37	1,444	7.2	10.1	46.6
Switzerland	93	85.8	85.2	39.89	312,015	38	2,222	1.4	5.5	34.6
Syrian Arab Republic	..	43.0	24.3	1.11	3,760	22	0	0.0	2.2	2.5
Tajikistan	..	4.1	14.5	0.07	..	363	1	..	..	40.7
Tanzania	15	3.2	4.0	0.01	3,974	19	1	0.1	3.6	13.3
Thailand	98	26.9	26.5	8.15	26,649	21	18	16.0	11.8	16.2
Timor-Leste	..	..	0.9	0.05	17,467	99	1	..	..	..
Togo	..	2.3	4.0	0.11	5,224	47	3	0.0	1.9	23.2
Tonga	..	15.5	34.9	1.43	2,733	62	19	1.1	3.8	12.2
Trinidad and Tobago	..	61.0	59.5	13.75	18,442	12	93	0.1	3.1	85.3
Tunisia	97	22.8	41.4	4.85	18,745	7	17	7.4	6.6	9.6
Turkey	..	50.2	45.1	10.62	40,629	12	50	1.7	4.2	1.6
Turkmenistan	..	13.7	7.2	0.03	1,075	..	0	..	..	..
Turks and Caicos Islands	..	..	..	..	..	..	333	1.9	3.0	..
Tuvalu	..	23.4	35.0	5.58	1,159	..	..	..	..	..
Uganda	..	4.0	14.7	0.11	4,670	14	1	6.5	6.6	14.1
Ukraine	96	40.5	33.7	8.00	14,143	8	27	1.1	3.8	19.2
United Arab Emirates	95	85.0	85.0	10.34	32,445	41	194	..	..	..
United Kingdom	..	87.0	87.0	34.04	188,920	21	1,200	4.2	7.3	39.0
United States	..	79.3	81.0	28.35	61,938	15	1,304	9.0	12.8	22.1
Uruguay	97	63.7	55.1	16.59	40,635	15	75	0.1	5.6	15.9
Uzbekistan	..	8.0	36.5	0.75	959	11	1	..	..	..
Vanuatu	..	10.7	10.6	0.13	2,290	105	43	0.0	3.1	2.0
Venezuela, RB	96	20.2	44.0	6.72	10,914	15	11	0.0	6.4	11.9
Vietnam	88	17.5	39.5	4.90	13,359	12	8	11.6	10.2	..
Virgin Islands (U.S.)	..	..	40.5	8.55	..	..	396	..	..	..
West Bank and Gaza	97	53.9	41.1	..	10,906	..	5	1.0	3.1	4.4
Yemen, Rep.	..	5.1	17.4	0.70	2,788	15	1	0.0	1.0	8.7
Zambia	..	3.1	13.5	0.11	2,721	82	3	0.0	3.0	6.8
Zimbabwe	36	6.5	17.1	0.52	2,643	30	3	0.0	3.4	..
World	..	40.3	35.5	9.24	41,190	23	160	10.4	11.2	31.7
Low income	..	4.2	6.2	0.15	9,141	47	1	..	..	..
Middle income	..	29.3	29.9	6.01	12,511	18	11	15.2	13.1	35.2
Lower middle income	..	15.0	18.7	1.43	8,076	21	4	4.6	7.2	47.1
Upper middle income	..	40.6	41.6	10.77	14,580	18	19	17.6	14.7	29.1
Low & middle income	..	26.4	26.5	5.27	12,402	21	10	15.1	12.9	34.9
East Asia & Pacific	..	34.9	36.2	9.67	5,993	23	6	24.3	18.3	32.9
Europe & Central Asia	..	44.8	43.3	10.12	42,572	12	42	5.3	6.7	16.6
Latin America & Caribbean	..	38.7	42.7	8.02	28,238	20	36	8.4	12.6	..
Middle East & North Africa	..	34.7	30.7	2.91	7,114	14	3	0.8	4.1	..
South Asia	..	10.3	11.6	1.05	5,284	7	3	1.7	5.0	62.0
Sub-Saharan Africa	..	8.1	14.8	0.24	6,430	47	7	0.5	5.8	14.4
High income	..	77.7	75.4	26.23	85,990	29	828	8.9	10.8	30.8
Euro area	..	79.2	75.9	29.70	100,322	31	662	4.8	6.9	35.8

Most Recent Value (MRV) if data for the specified year or full period are not available; or growth rate is calculated for less than the full period.

About the Data

Households with television (%)



Long definition

Households with television are the share of households with a television set. Some countries report only the number of households with a color television set, and therefore the true number may be higher than reported.

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database, and World Bank estimates.

Households with a computer (%)

Long definition

Households with a computer refers to the percentage of households with a computer at home. A computer includes: a desktop, portable or handheld computer (e.g. a personal digital assistant). It does not include equipment with some embedded computing abilities such as mobile phones or TV sets.

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database, and World Bank estimates.

Individuals using the Internet (% of population)

Long definition

Individuals using the Internet refers to the percentage of individuals who have used the Internet (from any location) in the last 12 months. Internet can be used via a computer, mobile phone, personal digital assistant, games machine, digital TV etc.

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database, and World Bank estimates.

Fixed broadband Internet subscribers (per 100 people)

Long definition

Fixed broadband Internet subscribers are the number of broadband subscribers with a digital subscriber line, cable modem, or other high-speed technology.

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database, and World Bank estimates.

Fixed broadband Internet access tariff (US\$ per month)

Long definition

Fixed broadband Internet access tariff is the lowest sampled cost per 100 kilobits a second per month and are calculated from low- and high-speed monthly service charges. Monthly charges do not include installation fees or modem rentals.

Source

International Telecommunication Union, World Telecommunication/ICT Development Report and database.

Secure Internet servers (per 1 million people)

Long definition

Secure servers are servers using encryption technology in Internet transactions.

Source

Netcraft (<http://www.netcraft.com/>) and World Bank population estimates.

ICT goods exports (% of total goods exports)

Long definition

Information and communication technology goods exports include telecommunications, audio and video, computer and related equipment; electronic components; and other information and communication technology goods. Software is excluded.

Source

United Nations Conference on Trade and Development's UNCTADstat database at <http://unctadstat.unctad.org/ReportFolders/reportFolders.aspx>.

Please see the online table at <http://wdi.worldbank.org/table/5.12> for observation-level metadata, which can be downloaded in Excel.